Powered Hacksaw

Part no. 200024

User Manual

200024

AXMINSTER POWER TOOL CENTRE

Axminster Devon EX13 5PH UK

FREEPHONE 0800 371822

www.axminster.co.uk

CE 2004

Part No. 200024

www.axminster.co.uk

Index of Contents...

Page No.

Index of Contents.....02
Declaration of Conformity.....03
What's in the Box.....04
General Instructions for 230v Machines.....05-06
Specific Safety for the Powered Hacksaws.....06
Initial Assembly Instructions.....07
Specifications.....08
Illustration and Parts Description.....09-10
Operation of the Powered Hacksaw.....11
Routine Maintenance.....12
Parts Breakdown for the Powered Hacksaw.....13
Parts List for the Powered Hacksaw.....14-15

SAFETY!! **The symbols shown on the cover of this manual advise that you wear the correct safety protection when using this machine.**

Safety Protection Symbols

Parts List for the Powered Hacksaw Continued...

NO.	Description	Q'ty	NO.	Description	Q'ty
79	Switch support	1	87	Safety cover II	1
80	Screw M6×12	2	88	Screw M4×40	2
81	Bolt M8×16	4	89	Plate I	1
82	Washer 10	1	90	Label	1
83	Cushioning cylinder	1	91	Fixed plate	1
84	Nut	1	92	Screw M4×6	2
85	Screw M5×8	8	93	Plate II	1
86	Safety cover I	1	94	Power line	1

NO.	Description	Q'ty	NO.	Description	Q'ty
1	Bolt M8×25	4	40	Shaft	1
2	Washer 8	20	41	Support	2
3	Spring washer 8	6	42	Touching beam	1
4	Motor 180W	1	43	Nut M6	2
5	Key 5×14	1	44	Bolt M6×50	1
6	Motor gear	1	45	Screw M8×30	2
7	Washer	1	46	Bolt M10×25	1
8	Spring washer 5	1	47	Bolt M10×100	2
9	Screw M5×20	1	48	Fixed block	1
10	Washer 10	8	49	Bolt M8×35	1
11	Nut M10	7	50	Screw	1
12	Washer 6	3	51	Long staff	1
13	Screw M5×12	7	52	Board	1
14	Spring washer 10	5	53	Bolt M8×50	1
15	Screw M6×20	2	54	Machine base	1
16	Gear shaft	1	55	Movement block	1
17	Washer	1	56	Nut	1
18	Bearing 6003	2	57	Lengthways screw	1
19	Screw M3×12	1	58	Pin 6×28	1
20	Gear	1	59	Handle sleeve	2
21	Check ring 17	1	60	Handgrip	1
22	Washer	1	61	Handle support	1
23	Shaft	1	62	Bolt M6×16	1
24	Oil cup M8	2	63	Spindle support	1
25	Box cover	1	64	Angle iron	1
26	Nut M12	7	65	Screw M8×50	4
27	Washer 12	4	66	Shaft	1
28	Bolt M8×25	2	67	Copper sleeve	2
29	Saw blade 300×25×1.2	1	68	Block	2
30	Nut M8	6	69	Support board	1
31	Saw	1	70	Bolt M10×25	1
32	Tighten hand wheel	1	71	Shaft sleeve	1
33	Screw M8×20	4	72	Screw M5×8	18
34	Adjust block	1	73	Washer 5	22
35	Fixed block	1	74	Safety cover	1
36	Bearing 6302A	3	75	Side cover	1
37	Movement shaft	3	76	Label	1
38	Gear box	1	77	Switch	1
39	Handle	1	78	Screw M5×10	4

Copied from CE Certificate

The undersigned, Ole Stilling authorised
by Shanghai SIEG Machinery Co., Ltd
No. 555 Caofeng Rd, South to No.17 Bridge of
Caoan Rd, Shanghai, P.R China

declares that this product:

Bench Cutter
G1

manufactured by Shanghai SIEG Machinery Co.
is in compliance with the following standards or
standardisation documents in accordance
with Council Directives

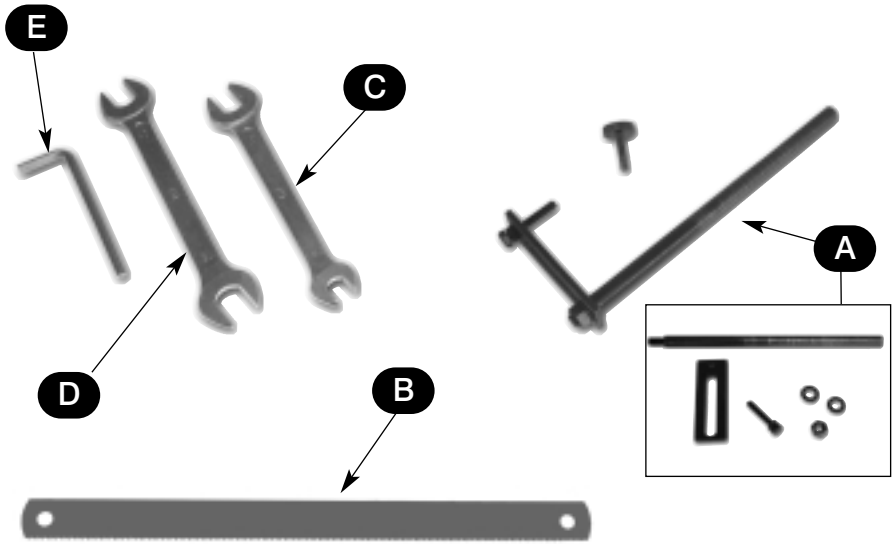
73/23/EEC 93/68/EEC 98/37/EC

CE

Intertek ETL SEMKO

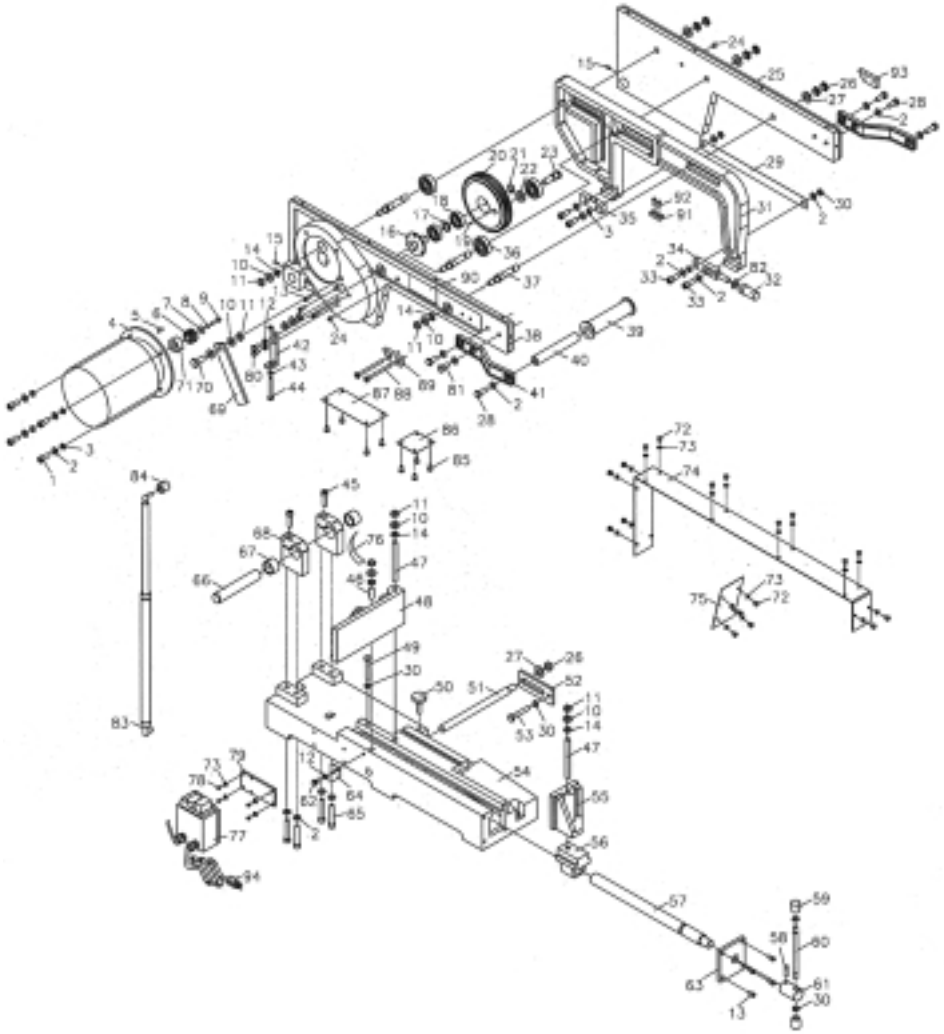
What's in the Box...

Model Number:	**G1**	
1 No.	**Powered Hacksaw**	
1 No.	**Material Length Stop Kit**	**A**
1 No.	**Saw Blade**	**B**
Tool set Comprising of:		
1 No.	**14-17mm Open Ended Spanner**	**C**
1 No.	**17-19mm Open Ended Spanner**	**D**
1 No.	**6mm Allen Key**	**E**
1 No.	**Guarantee Card**	
1 No.	**Instruction Manual**	



www.axminster.co.uk

Parts Breakdown for the Powered Hacksaw...



WARNING!! **DISCONNECT THE MACHINE FROM THE MAINS SUPPLY.**

Excessive dust in the motor can cause excessive heat to develop. Every effort should be made to prevent foreign material from entering the motor. When operated under conditions likely to permit accumulations of dust, dirt or waste, a visual inspection should be made at frequent intervals.

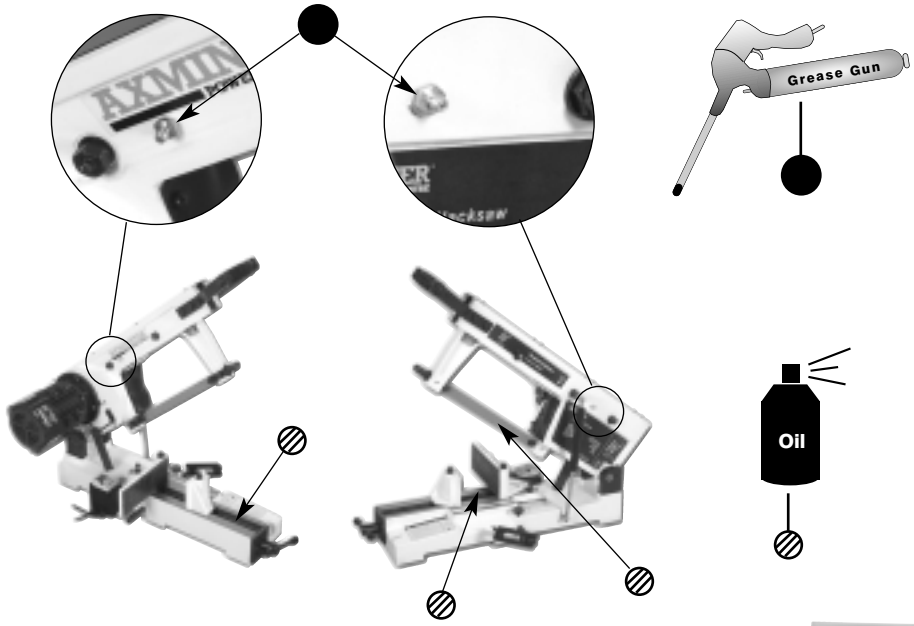
Accumulations of dry dust can usually be blown out successfully.

Caution: To avoid eye injury or adverse reaction to dust, high pressure hoses should not be used especially in poorly ventilated areas. The operator performing this cleaning function should wear safety goggles and dust filter mask.

Every 2 hours of use, apply a general purpose grease to the arm slides via the grease nipples provided with a high pressure grease gun.

If the machine is going to stand idle for any length of time, a light coat of spray or machine oil over the vice, bed and other non painted parts will prevent rusting.

DO NOT use the machine if the power cable has become damaged.
If any servicing (other than the above cleaning) becomes necessary the unit should be returned to your supplier or repaired by a qualified technician.



Good Working Practices/Safety

The following suggestions will enable you to observe good working practices, keep yourself and fellow workers safe and maintain your tools and equipment in good working order.

WARNING!! **KEEP TOOLS AND EQUIPMENT OUT OF THE REACH OF YOUNG CHILDREN**

Mains Powered Tools and Machines

Primary Precautions

These machines are supplied with a moulded 13 amp. Plug and 3 core power cable. Before using the machine inspect the cable and the plug to make sure that neither are damaged. If any damage is visible have the damaged item inspected/repaired by a suitably qualified person. If it is necessary to replace the plug, it is preferable to use an 'unbreakable' type that will most resist damage. Only use a 13 amp plug, and make sure the cable clamp is tightened securely. Fuse as required. If extension leads are to be used, carry out the same safety checks on them, and ensure that they are correctly rated to safely supply the current that is required for your machine. Remember, most machines or tools have handles or holding positions, the power cable is not one of them!

Work Place/Environment

The machine is not designed for use outside. Keep the machine clean; it will enable you to more easily see any damage that may have occurred. Clean the machine with a damp soapy cloth if needs be, do not use any solvents or cleaners, as these may cause damage to any plastic parts or to the electrical components.
Keep the work area as uncluttered as is practical, this includes personnel as well as material.

Under no circumstances should CHILDREN be allowed in work areas.
It is good practice to leave the machine unplugged until work is about to commence, also make sure to unplug the machine when it is not in use, or unattended. To avoid inadvertent 'start up'; if your machine is not fitted with a NVR system, ensure the switch is always returned to the OFF position. Once you are ready to commence work, remove any tools, objects or items that could inadvertently get 'sucked up' by the machine (if any) and place safely out of the way.

Re-connect the machine, ensuring the power cable is not 'snagged' or routed where it could be tripped over as you move about the workshop, it is not too close to an unguarded heat source or is laid over or around a sharp edge.

If the work you are carrying out is liable to generate flying grit, dust or chips, wear the appropriate safety clothing, goggles, gloves, masks etc. If the work operation appears to be excessively noisy, wear ear-defenders. If you wear your hair in a long style, wearing a cap, safety helmet, hairnet, even a sweatband, will minimise the possibility of your hair being caught up in the rotating parts of the machine, likewise, consideration should be given to the removal of rings and wristwatches if these are liable to be a 'snag' hazard. Consideration should also be given to non-slip footwear, etc.

General Instructions for 230v Machines...

Do not work with cutting or boring tools of any description if you are tired, your attention is wandering or you are being subjected to distraction. A deep cut, a lost fingertip or worse, is not worth it!

Do not use this machine within the designated safety areas of flammable liquid stores or in areas where there may be volatile gases. There are very expensive, very specialised machines for working in these areas, **THIS IS NOT ONE OF THEM.**

Above all, **OBSERVE....** make sure you know what is happening around you, and **USE YOUR COMMON SENSE.**
IT IS RECOMMENDED THAT YOU WEAR EAR PROTECTION IF YOU ARE USING THIS MACHINE.

Specific Safety for the Powered Hacksaws...

1. Make sure that the blade is sharp, undamaged and of the correct type for the material being processed.

2. Make sure that the material is clamped firmly in the vice jaws, any movement will result in a blade fracturing, possibly producing shards of blade material.

3. Make sure that the blade is correctly tensioned, a loose blade will have a shortened life and may break.

4. Make sure that long lengths of stock are adequately supported, the machine vice jaws are not designed for this purpose.

5. Check for damaged parts, any part that is damaged must be assessed to ensure that it can carry out its function properly. If it cannot, it must be replaced before the machine is used.

6. Never leave the machine running unattended. When you have finished your cutting operations, turn the power supply off. Do not leave the machine until it has come to a complete stop.

7. Be aware that the blade will become very hot during cutting, if you need to change the blade during a cutting operation, allow the blade to cool before changing it.

Operation of the Powered Hacksaw...

This is a very simple machine to operate, there are no choices of speeds or down-feed settings to select.

The arm has a supporting gas strut to take some of the weight of the arm and allow the arm to descend in a controlled fashion.

When you raise the arm, there is a latching arm that will drop into place to support the arm in the raised position. (See Fig A)

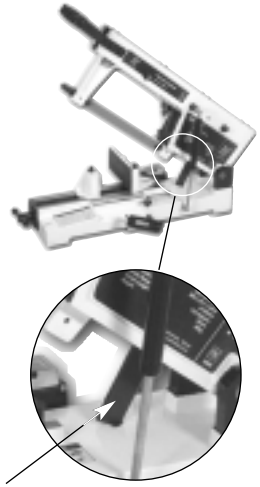
When you wish to begin cutting, lower the arm onto the material and press the ON (green) button on the switch. (See Fig C)

DO NOT lean on the arm to increase the cutting rate.

Use the length stop assembly to create identical lengths of materials. (See Fig B)

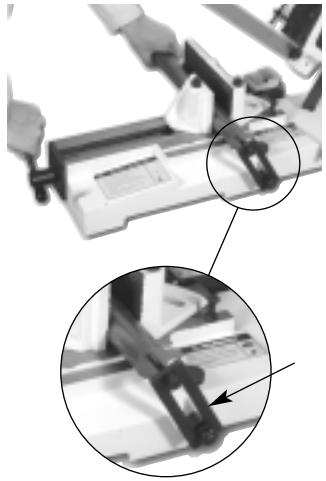
The machine should switch off automatically when the cut is completed, if the machine does not switch off, press the STOP (red) button manually. Disconnect the power supply and adjust the stop actuator mounted on the lower part of the arm so that it pushes the stop button down further.

Fig A



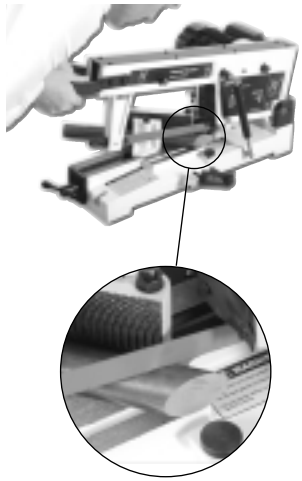
Latching arm

Fig B

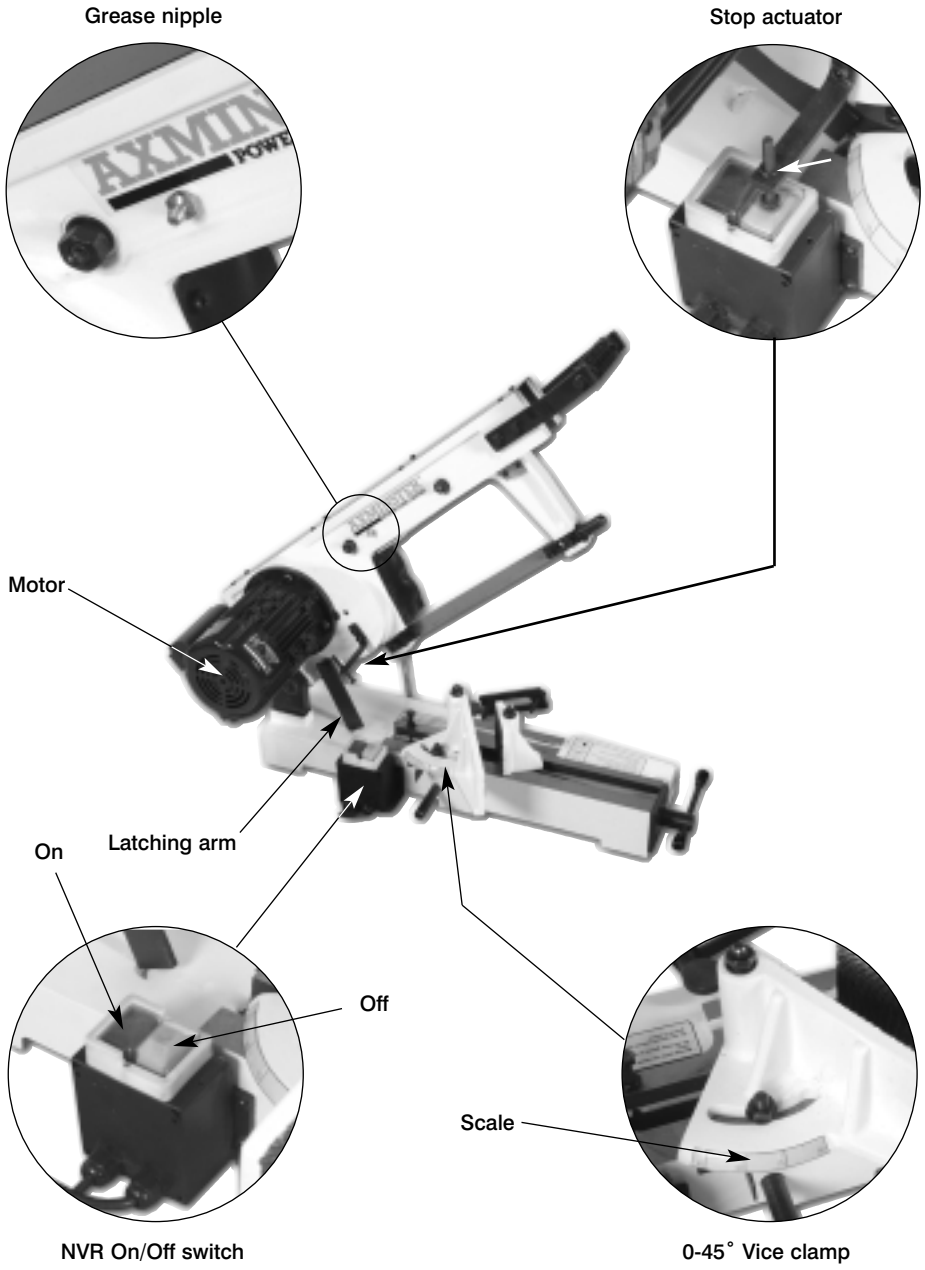


Length stop assembly

Fig C



Lower the arm onto the material ready for cutting



Please refer to the Assembly Drawing if you experience difficulties, this will enable you to more readily identify those parts of the machine to which we will be referring. Having unpacked your Powered Hacksaw machine and all its components, please check against the 'What's in the box' list above. If any parts are missing please contact your supplier or our Customer Services personnel straight away using the numbers listed in the Axminster catalogue. Having unpacked the machine and checked it over, please store the packaging for a short period in case the machine needs to be returned to your supplier or ourselves for any reason.

The machine comes assembled inside its packaging.

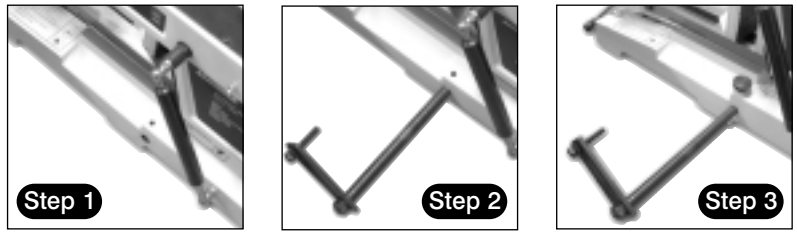
WARNING

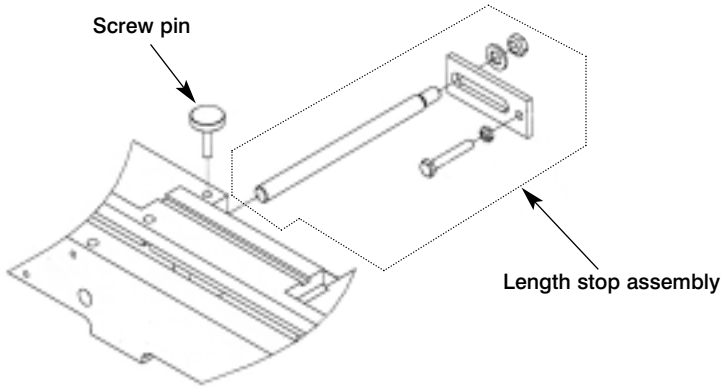
WE STRONGLY ADVISE YOU GET THE ASSISTANCE OF ANOTHER PERSON BECAUSE OF THE WEIGHT OF THE MACHINE.

Take out the machine from the package carefully. You will need the assistance of another person for this task because of the weight of the machine (68kg).

Material Length Stop Assembly

You will need to assemble the material length stop, refer to the diagrams below and use the tools provided.





Specifications...

Axminster No.	**200024**
Motor power	**250W**
Overall Size	**Depth 380 x Width 820 x Height 755mm**
Maximum cutting capacity	**130mm diameter**
Cutting stroke speed	**170 strokes/min**
Blade stroke length	**70mm**
Blade size	**300 X 25 X 1.2mm**
Weight	**68 KG**

Illustration and Parts Description...